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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/766,468	01/29/2004	Kheng Chiong Tay	07044.0002	3727
22852	7590	01/24/2008	EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			REAMES, MATTHEW L	
		ART UNIT	PAPER NUMBER	
		2891		
		MAIL DATE	DELIVERY MODE	
		01/24/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/766,468	TAY ET AL.
	<b>Examiner</b>	<b>Art Unit</b>
	Matthew L. Reames	2891

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 31 October 2007.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-4, 6 and 9-23 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-4, 6 and 9-23 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### ***Response to Arguments***

1. Applicant's arguments filed 10/31/07 have been fully considered but they are not persuasive. Applicant argues that Hsu does not teach the base protruding from the bottom and two sides. This is not found convincing since Hsu does teach the base protrudes (to be outside) the housing on the bottom and two sides since the side portions and the bottom portions are not covered by the housing. Applicant has not given a well defined meaning of the term "protruding." Does applicant mean a portion extending past the bottom and two side surfaces of the housing? This is not claimed therefore Hsu still anticipates the claims.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-4,6,9,10 17-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Hsu.

a. As to claims 1,10 17-23, Hsu teaches an optoelectronic (see e.g. item 20) with element forming the base of the structure (see items 19,16,18), and a opaque plastic (item 30) forming a housing in conjunction with the transparent

material (item 51). With the opaque material having a cavity; with the base protruding from the all the middles of the sides and the bottom (see e.g. fig. 11 and 12), wherein they are not covered by the encapsulant thus the protrude from the encapsulant. Hsu further teaches wherein each of the bases protrude from the bottom and from one of the two other sides (see e.g. fig. 11 and 12) with each base section flush (identical dimensions outside the housing) and one base section larger than the other towards the middle (see fig. 11 and 12) with the optoelectronic component on the larger of the two base sections.

- b. As to claims 2 and 10, Hsu teaches filling the cavity with a transparent resin see item 50).
- c. As to claim 3 and 13, Hsu teaches a wire (see e.g. fig. 12).
- d. As to claim 4 and 14, Hsu mounting (see e.g. item 18) can be used for connecting to external sub-systems such as PCBs. Applicant is reminded this is an intended use and so long as Hsu can perform the claimed feature the claim is anticipated.
- e. As to claim 6, Hsu base material is outside the plastic material (not covered see e.g. figs.).
- f. As to claims 9 and 12, Hsu device has no lead formation (see e.g. figs.).
- g. As to claim 15, Hsu base section can be used for heat dissipation.  
Applicant is reminded this is an intended use and so long as Hsu can perform the claimed feature the claim is anticipated.

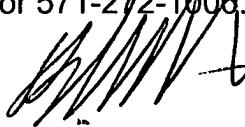
f. As to claim 16, Hsu teaches the base extending the entire length (see e.g. figs.).

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew L. Reames whose telephone number is (571)272-2408. The examiner can normally be reached on M-Th 6:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, B. William Baumeister can be reached on (571)272-1722. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1006.



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